

1 / 10

StWhy1	MSNFSLSPSPTSGFSLNLQNPTKTSYLSFSSSIINTI	FAPLSSNTTKSFSGLTHKAALPRNLSLTCRHSDY	70
AtWhy1	MS...QLLSTPLMAVN.	SNPREFSSS.	60
AtWhy2	MKQARSLLSRSLCDQSKS.	SVLVTGGFAVKRHGFALKPTTKTVKLFSVKSQRTDY	50
AtWhy3	MS...QLLSSPPMAVFSKTFINHKFSDARELSSSH.	LEFEASTLRGFFASWSNSSTPGRGFPGKDAAKP	40
Consensus	F S	SILTSGGFAGK..IPLKPTAR..LKLTVKSRQSDY	30
StWhy1	FEPQQQQQQQQQP.	QGASTPKVFGYSTYKGKAALTVEPRSPEE	100
AtWhy1	FEKQRFGDSSSSPSAEGLPARF	SPLDSSGAFKLEREGMIVMEQFAPAAG	120
AtWhy2	ERKXDWEEKKKQKEALS	VALDSGAFKIESKDDGFELTQFAPSAG	130
AtWhy3	FEKQRFGDSSSSQN.	SGRLFAPYSIFKGKAALSVVERVLPSETEDSGNLRLDRRGSEMMTTEMPAIG	*
Consensus	r f	SIyKGKAALTVEPRFVALESGAFKLTKEGFELLQFAPAAG	10
StWhy1	VRCQYDWSRKQVESL	SIKGAKDSCEFFHDPIKGRSDEGRVRKVIEPLPDGSGHFFNLSVQN	190
AtWhy1	VRCQYDWSKXQFESL	CTLVSICPRESSCEFFHDPIFKGKSDEGKVRKVIEPLPDGSGHFFNLSVQN	200
AtWhy2	ERKXDWEEKKKQKEALS	SMGSKDSSEFFHDPSMKSSNAQGQVRKSLSPKPHADGSSGYEISSLVNN	210
AtWhy3	VRCQYDWSRKQVFSLS	VSEGPRESCCEFFHDPIFKKGDEGGVRKVIEPLPDGSGRFFNLSVQN	220
Consensus	R YDW r KQ F LS TEIG i SIG kds EFFHDP G VRK L V P DGSG F I SVqn	G VRK L V P DGSG F I SVqn	230
StWhy1	KILNDENIY	PVTKAEEFAVLYSAFENVMRYLGWHTAVNSFKPEDA.SR.	240
AtWhy1	KLVNVDESIIY	SAFENVLPYLGWHAFANSIKPEET.SR.	250
AtWhy2	SLKTNDDYFV	SAFENVLPYLGWHAFANSIKPEET.SR.	260
AtWhy3	KEENVDESVY	SAFENVLPYLGWMNRLTGHVNTTEALPSRNVSHLKTEPQLEL	270
Consensus	i e	SAFENVLPYLGWSAFANSIKPEEDS.NR.	NR.
StWhy1	i PvTKAEFAVI	SAF F I P I GW	NR.
AtWhy1			R
AtWhy2			
AtWhy3			
Consensus			

17

2/10

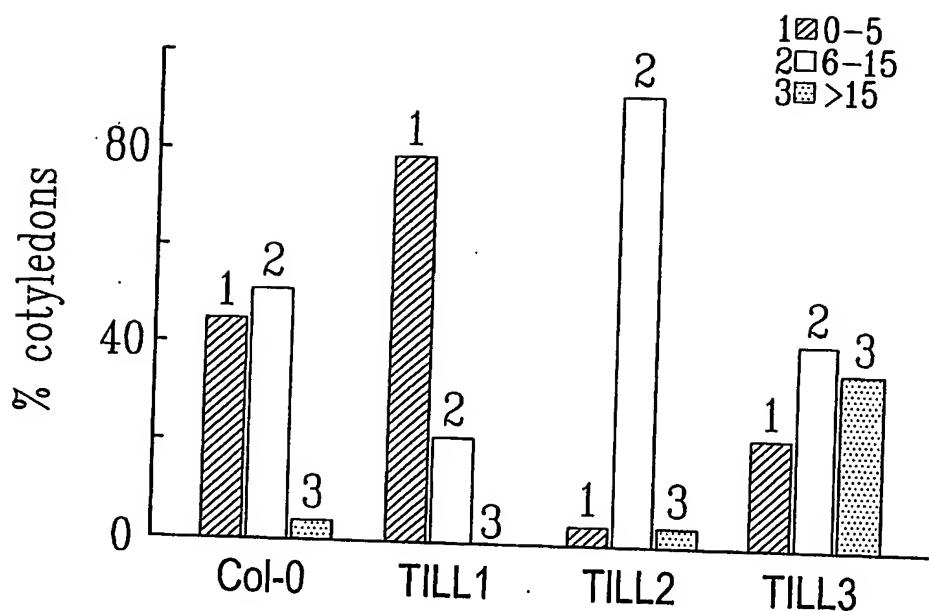
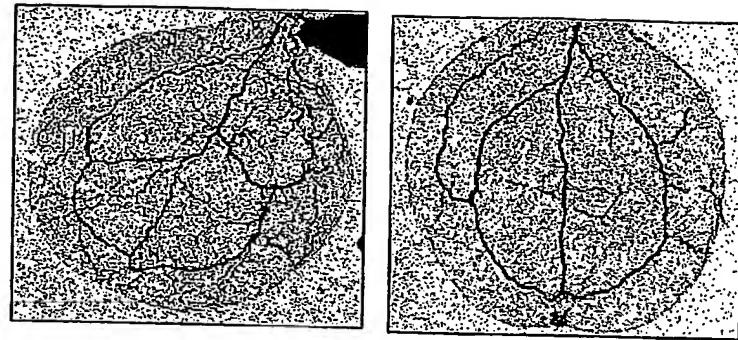


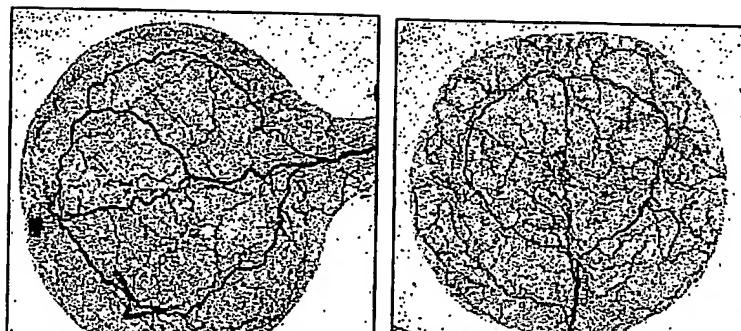
Fig-2

3/10



Wt Col-0

till1



till2

till3

Fig-3

4/10

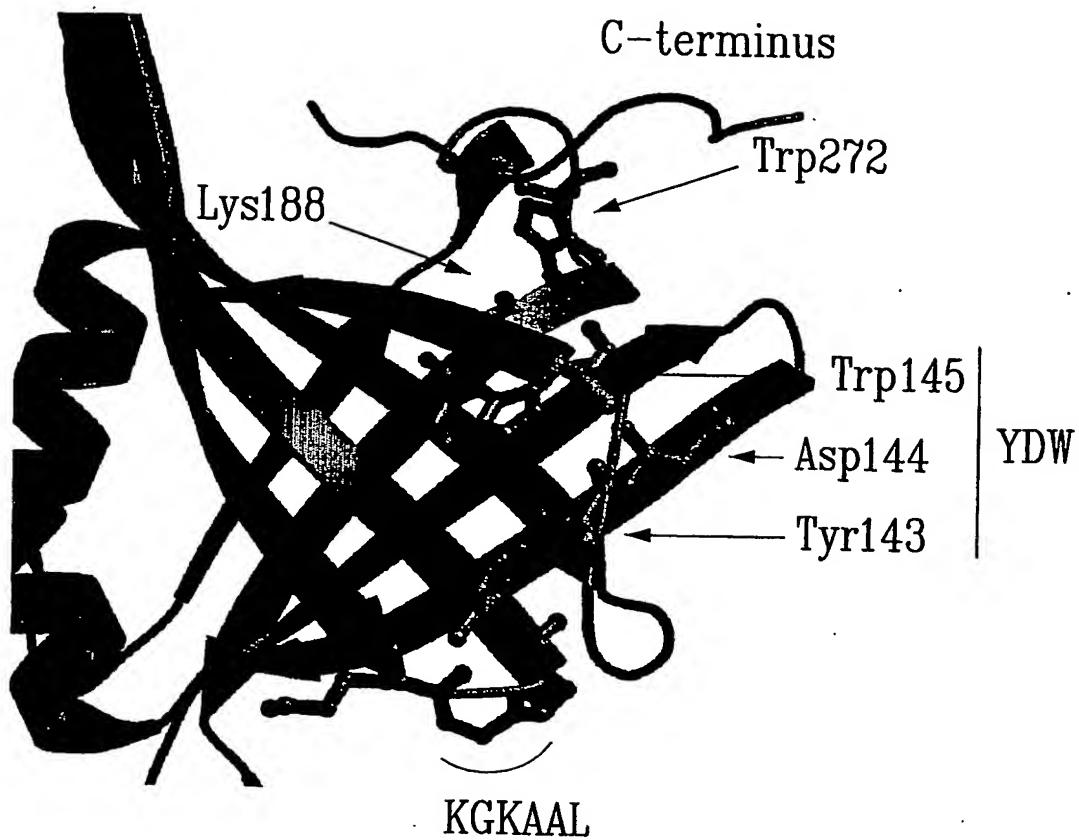


Fig-4

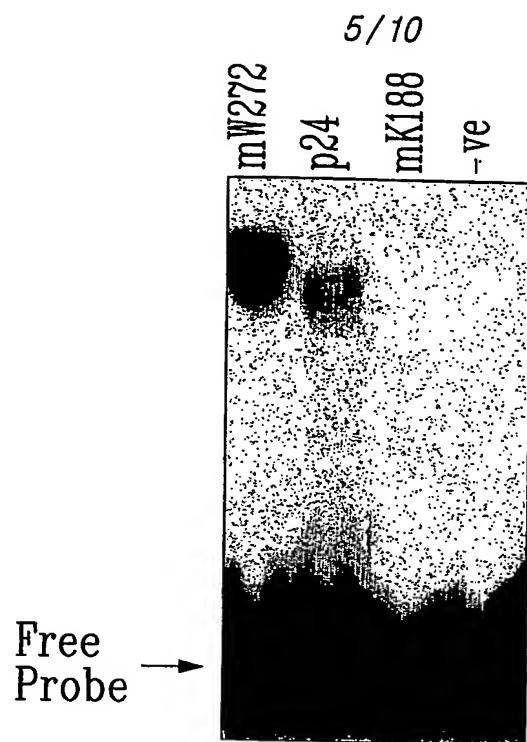


Fig- 5A

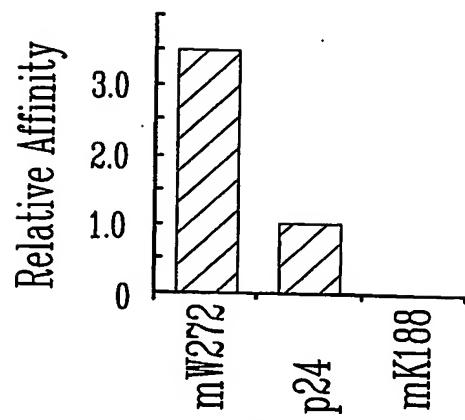


Fig- 5B

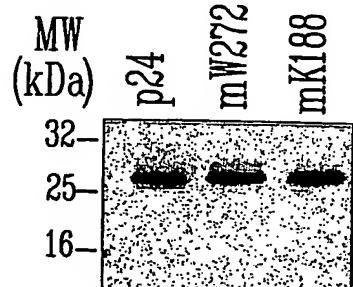
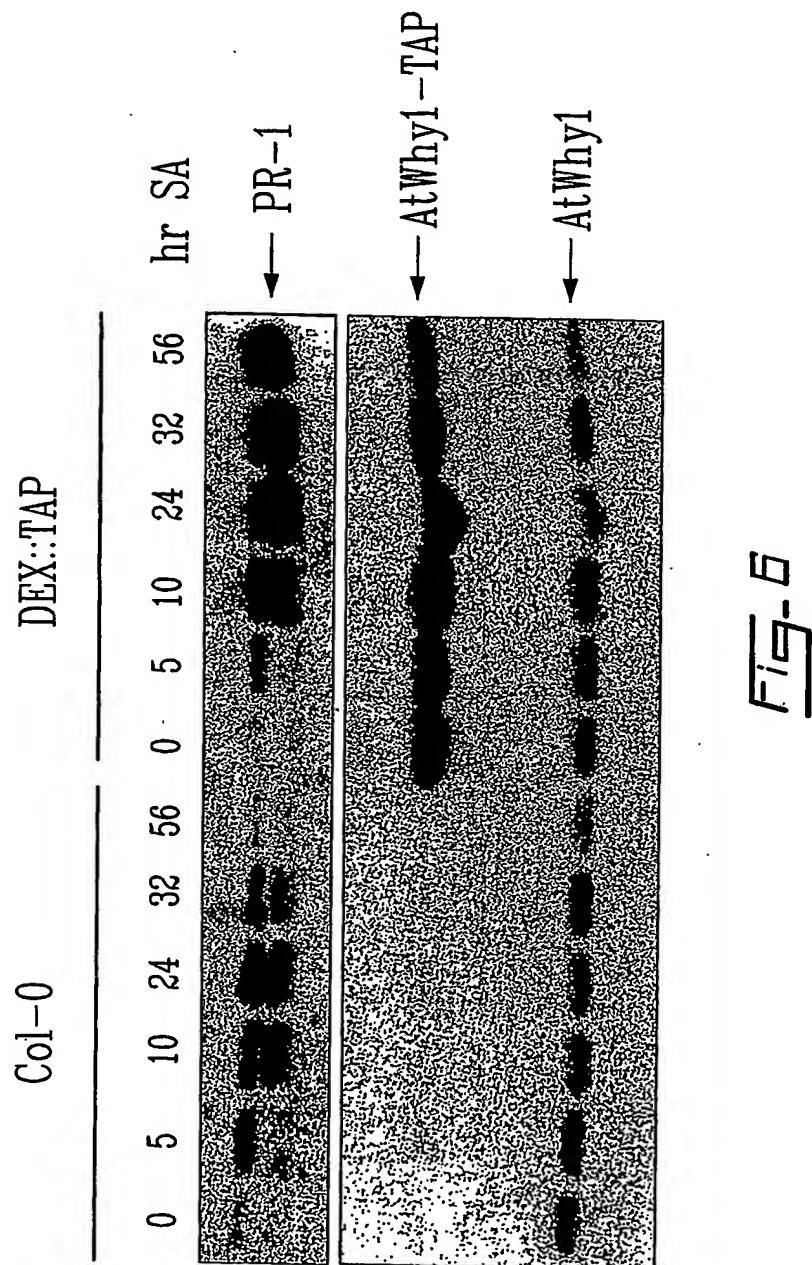


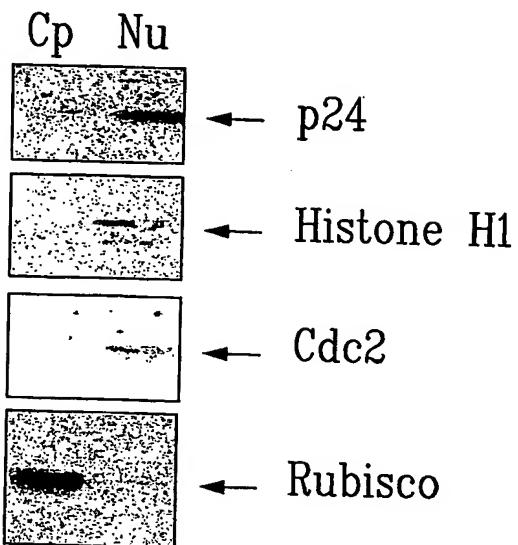
Fig- 5C

6/10



7/10

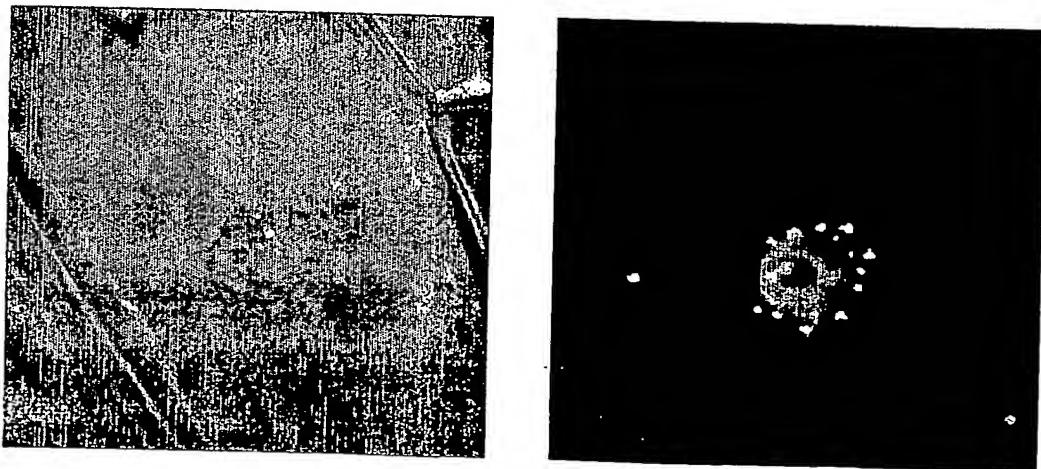
## Intracellular Localization of p24 in Potato Leaves



Alk. pyr. 5.8 N.D.  
 Nitrite red. 85 N.D.  
 Chlorophyll 16 N.D.

Fig-7

## Intracellular Localization of p24-GFP in Roots

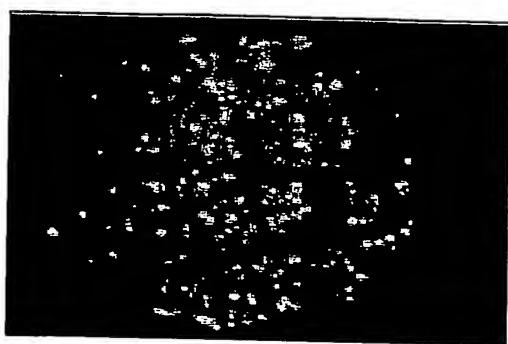
Fig-8

8/10

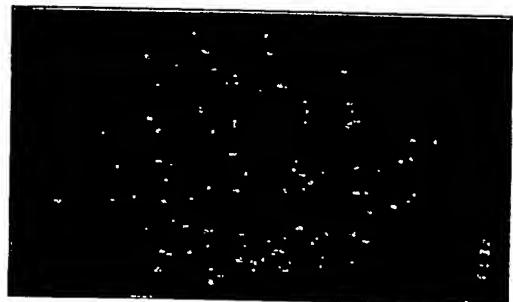
## Chloroplast Localization of p24-GFP in Mesophyll Cells



Chlorophyll



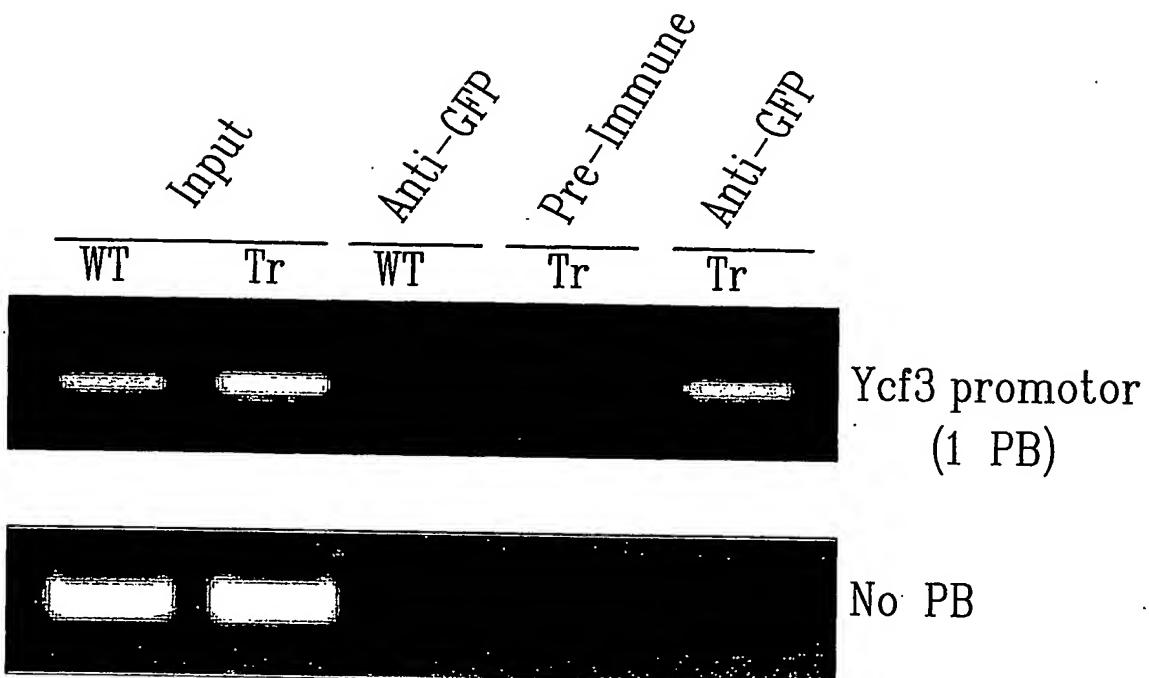
p24-GFP



Syto85

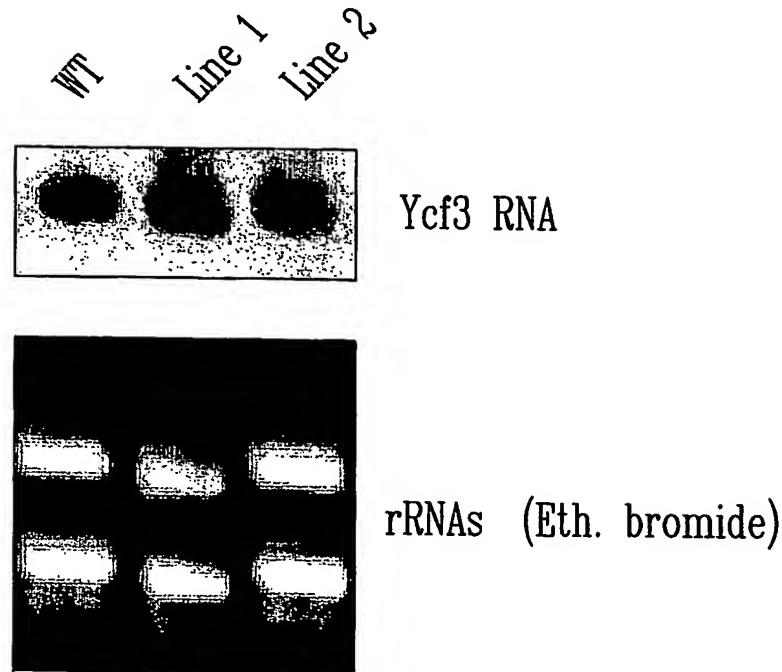
Fig-9

9/10

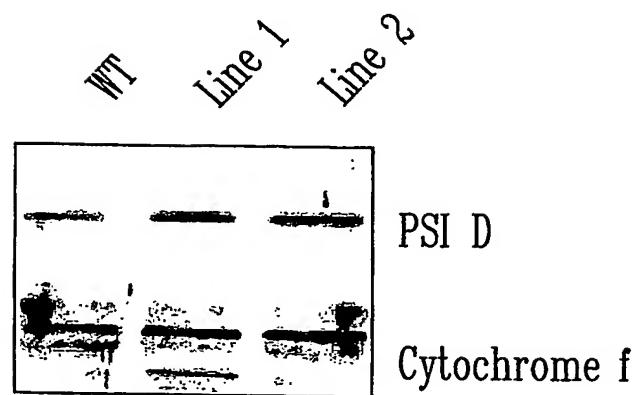
p24 Binds to *YCF3* on Chloroplast DNAFig-10

10/10

## Ycf3 RNA Increases in Wounded p30 Potato

Fig-11

## PSI-D Protein Level Increases in Wounded p30-Potato

Fig-12

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**